## 71:55/NO. 4260606441 P 1 (WED) 2. 21'01 11:55/8'

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Assistant Commissioner for

FROM: Alan G. Gorman

**Patents** 

Attn: Examiner F. Poinvil Patent Examining Corps

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12344.2-US-C1

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Washington, D.C. 20231

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Title of Document Transmitted:

INFORMATION DISCLOSURE

STATEMENT

Applicant:

Seare et al.

Serial No.:

09/437,567

Filed:

November 10, 1999

Group Art Unit:

2755

Our Ref. No.:

12344.2USC1

Please charge any additional fees or credit overpayment to/Deposit A

Name: Alan G. Gorman

Reg. No.: 38,472

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

February 21, 2001

GEN033.DOT

S/N 09/437,567

**PATENT** 

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

SEARE ET AL.

Examiner:

Poinvil

Serial No.:

09/437,567

Group Art Unit:

2755

Filed:

11/10/99

Docket No.:

12344.2USC1

Title:

METHOD AND SYSTEM FOR GENERATING STATISTICALLY-BASED

MEDICAL PROVIDER UTILIZATION PROFILES

# INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified Application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449 in accordance with 37 C.F.R. §1.97(b)(3).

In accordance with 37 C.F.R. §1.98(d), Applicant respectfully submits that a copy of each document listed on the enclosed Form 1449 is not required to be submitted as each document was previously cited by the Patent Office in application Serial No. 08/539,413 filed 10/05/95, which is a divisional application of application Serial No. 08/264,795 filed 06/23/94. The present application is a continuation application of application Serial No. 08/539,413 filed 10/05/95.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicant reserve the right, pursuant to 37 C.F.R. § 1.131 or

otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicant do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

#### CONCLUSION

Please charge any fees for the extra claims to Deposit Account No. 13-2725. Any questions concerning this matter may be directed to the undersigned at 612-371-5219.

Respectfully submitted,

Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402 (612) 332-5300

Dated: February 21, 2001

Alan G. Gorman Reg. No. 38,472 AGG:cmf

(Use several sheets if necessary)

(WED) 2. 21'01 11:56/ST

Date Mailed:

FORM 1449*	INFORMATION DISCLOSURE STATEMENT	Docket Number 13300,2USC1	Application Number: 09/437,567
	IN AN APPLICATION	Applicant: Searc et al. Filing Date: 10/11/99	Group Art Unit: 2755

U.S. PATENT DOCUMENTS  CLASS SUBCLASS FILING DATE						
XAMINER :NITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
	4,858,121	08/15/89	Barber et al.			
	5,253.164	10/12/93	Holloway et al.			
	4,803,641	02/07/89	Hardy et al.			
	4,658.370	04/14/87	Erman et al.			
	4,667,292	05/19/87	Mohlenbrook et al.			
	4,987,538	01/22/91	Johnson et al.			
	3,716,840	02/13/73	Masten			
	4,286,330	08/25/81	Isaacson		<u> </u>	
	3,697,957	10/10/72	Вапол			
	4,290,114	09/15/81	Sinay			
	4,314.309	02/09/82	Coli			
	4,319,225	03/09/82	Klose		<u> </u>	
	4,326,259	04/20/82	Cooper et al.			
	4,360,875	11/23/82	Bohnke			
	4,368,059	01/11/83	Doorges et al.			
	4,454,414	06/12/84 .	Benton			<del> </del>
	4,434,769	03/06/84	Nagano et al.			
	4,479,176	10/23/84	Grirushaw			
	4,491,725	01/01/85	Pritchard			
	4,553,206	11/12/85	Smutek et al.			
	4,632,428	12/30/86	Brown			
	4,648,037	03/03/87	Valentino			
	4,700,297	10/13/87	Hagel, Sr. et al.			<u> </u>
	4,866,634	09/12/89	Reboh et al.			
	3,566,365	02/23/71	Rawson et al.			<del></del>
	4,731,725	03/15/88	Suto et al.			
	4,733,354	03/22/88	Potter et al.			
	4,839,822	06/13/89	Dormond et al.			
	4,872,122	10/03/89	Altschuler et al.			
<u> </u>	4,916.633	04/10/90	Tychonelivich et al.			

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<sup>\*</sup>Substitute Disclosure Statement Form (PTO-1449)

#### FROM MERCHANT & GOULD

(WED) 2. 21'01 11:56/ST

:55/NO. 4260606441 P 5

Date Mailed:

FORM 1449\* INFORMATION DISCLOSURE STATEM

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: 13300.2USC1

Application Number: 09/437,567

Applicant: Scare et al.

Filing Date: 10/11/99

Group Art Unit: 2755

	2,344.044		FOREIGN PATENT DOCUMEN	TS T	 
	5.544.044	08/06/96	Leatherman		
	5,660,183	08/26/97	Chiang et al.		 
· · · · · ·	5,652,842	07/29/97	Siegrist, Jr. et al.		
	5.613,072 5,644,778	07/01/97	Burks et al.		
	5,594,637	03/18/97	Hammond et al.		
	5.583,758	0)/14/97	Eisenberg et al.		
	5,577,169	12/10/96	McIlroy et al.		
	5,521,814	11/19/96	Prezioso		
	5.519,607	05/21/96	Torun et al.		
	5.517,405	05/14/96	Tawil		
	5,508,912	04/16/96	McAndrew et al.		
	5,486,999	01/23/96	Mebane Schneiderman		
	5,471,382	11/28/95	Tallman et al.		-
	5,363,425	11/15/94	Torma et al.	+	
	5,324,077	06/28/94	Kessicr et al.		
	5,253,164	10/12/93	Holloway et al.	<del></del>	
	4,975,840	12/04/90	DeTure et al		 
	5,359,509	10/26/94	Little		
	5,325,293	06/28/94	Dome		 
	5,307,262	04/26/94	Ertc1		
	5,301.105	04/05/94	Cummings, Jr.		 
	5,255,187	10/19/93	Sorenson		
<u>.</u>	5,235,702	08/10/93	Miller		 
	5,225,976	07/06/93	Tawil		 
	5.070.452	12/03/91	Doyle, Jr. et al.		
	5,065,315	11/12/91	Garcia		 
	5,018,067	05/21/91	Mohlenbrock et al.		 
	5,001.630	03/19/91	Wiltfong		 
	4,945,476	07/31/90	Hodick et al.		 

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

<sup>\*</sup>Substitute Disclosure Statement Form (PTO-1449)

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ĺ	FORM 1449" INFORMATION DISCLOSURE STATEMENT	Docket Number: 13300.2USC1	Application Number: ()9/437,567
	IN AN APPLICATION	Applicant: Seare et al. Filing Date: 10/11/99	Group Art Unit: 2755
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		or	HER DOCUME	NTS (Including Au	hor, Title, Dat	e, Pertinent Page	s, Etc.)		
		Leape, "Prac	tice Guidelines as	nd Standards: An U	werview." <u>QRI</u>	3 (Feb. 1990)			
		Jollis et al.,	Discordance of L	Databases Designed	for Claims Pay	ment vs. Clinica			ernal Medicine
		Freed et al.,	"Tracking Quality	y Assurance Activit	y." <u>America</u> n (	ollege of Utiliz	ation Review Physi	<u>icians (Nov. 1988).</u>	
		D. L. S. T. O. 10	L *Onelity and C	ast Efficiency." Am	erican College	of Utilization F	leview Physicians (	Nov 1988).	
		Rodriguez	"Literature Revie	w." Quality assuran	ce an <u>d Utilizat</u>	ion Review-Offi	cial Journal of the	American College o	f Medical Qual
		Roos et al	"Using Administ	rative Data to Predi	ct Important H	calth Outcomes,	" Medical Care (M	arch 1988).	270 (Dec 199)
<del></del>		Visile et al. "AHCPR-NLM Joint Initiative for the Health Services Research Information" 1992 Update in OHSRI," QRB (Dec. 1992).							
		Edden, "The Direction of the Healthcare Marketplace." <u>Journal of the American College of Utilization review-official Journal of the American College of Medical Quality</u> (Fall 1991).  Burns et al., "The Use of Continuous quality Improvements in the Development and Dissemination of Medical Practice Guidelines."							
_		Burns et al QRB (Dec	, "The Use of Co. 1992)	ntinuous quality Im	provements in	the Developmer	nt and Dissemination	n of Medical Practi	ce Guidelines.
<del></del>		Noizer, "T	he Advent of Clin	nical Standards for P	rofessional Li	bility, <u>" OR</u> B (1	eb. 1990)		
		Purchas et al. "The Minnesotta Clinical Comparison and Assessment Project," QRB (Feb. 1990).							
	-	Weiner et al., "Applying Insurance Claims Data to Assess Quality of Care: A Compilation of Potential Indicators," QRB (Dec. 1990) Wakefield et al., "Overcoming the Barriers to Implementation of TQM/CQI in Hospitals: Myths and Realities," QRBMar. 1993).							
		Wakefield	et al., "Overcomi	ing the Barriers to I	mplementation	of TQM/CQL in	Hospitals: Myths	and Realitics," QRI	Mar. 1993).
	<del>-</del>	Donabedia	an. "The Role of C	Dutcomes in Quality	Assessment a	nd Assurance,	QRB (Nov. 1992).		
		Lladorn et	al "An Annotate	ed Algorithm Appro	ach to Clinical	Guideline Deve	lopment <u>," JAM</u> A (	June 24, 1992).	
		Hadom et al., "An Annotated Algorithm Approach to Clinical Guideline Development," JAMA (June 24, 1992).  Falcone, et al., "the Critical Path Method in Stroke Rehabilitation: Lessons From an Experiment in Cost Containment and Outcome Improvement," ORB (Jan. 1993).							
		Princerson "Outcomes Management and Continuous Quality Improvement: /the Compass and the Rudder_ORB (Jan. 1993)							
	-	Mennemeyer, "Downstream Outcomes: Using Insurance Claims Data to Screen for Errors in Clinical Laboratory Testing," ORB (3u 1991).							
<u> </u>		lezzoni.,	"Using Severity 1	nformation for Qua	lity Assessmen	t: A Review of	Three Cases by Fiv	e Severity Measure	s. <u>" O</u> ĸB (Dœ.
				nical Appropriatene					
		(1993).	"A Managed Car						

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<sup>&</sup>quot;Substitute Disclosure Statement Form (PTO-1449)

(WED) 2. 21'01 11:57/S ::55/NO. 4260606441 P 7

Date Mailed:

FORM 1449*	INFORMATION DISCLOSURE STATEMENT	Docket Number: 13300.2USC1	Application Number: (19/437.567
IN AN APPLICATION		Applicant: Scare et al.	
1	(Use several sheets if necessary)	Filing Date: 10/11/99	Group Art Unit: 2755

	Dragalin et al., "Institutes for Quality: Prudential's Approach to Outcomes Management for Specialty Procedures," QRB (March 1990).
	Chinsky., "Patterns of Treatment Ambulatory Health Care Management, Physician Profiling - The Impact of Physician, Patient, and Market Characteristics on Appropriateness of Physician Practice in the Ambulatory Setting (Doctoral Dissertation, the University of Michigan, 1991).
	Report un Medical Guidelines Outcome Rescarch , 4(Feb 11, 1993).
	Homer et al., Accuracy of patient encounter and patient billing information in ambulatory care, Journal of Family Practice, vol: v33, Issue: n6 Page593(6), December 1991.
	"Practice Guidelines - the Experience of Medical Specialty Societies." U.S. Goyt O. Report to Congressional Requestors (QAO/PCDM-
	"Medicare Intermediary Manual Part 3 - Claims Process," Department of H&H's, Health Care Financing Administration, Transmittal No. 1595 (April, 1993)
	CCH Pulse The Health Care Reform Newsletter (April 1993).
	"Implementation Guide" Patterns of Treatment Ambulatory Health Care Management, Pub. by Concurrent Review Technology Inc.
	"Physician Profiling," Patterns of Treatment Ambulatory Healthcare Management. Pub. by Concurrent Review Technology Inc.
	"Pattern Processing Model." Patterns of Treatment Ambulatory I fealthcare Management. Pub. by Concurrent Review Technology Inc
	Winslow, "Report Card on Quality and Efficiency of HMO May Provide a Model for Others," The Wall Street Journal.
<b>~</b>	Jenks., "Strategies for Reforming Medicare's Physician Payments, Physician Diagnosis - Related Groups and Other Approaches." The New England Journal of Medicine (June 6, 1985).
	Solon et al., "Delincating Episodes of Medical Care," AJPH (Mar 1967).
	Medical Care, Sept., 1986 vol. 24 #9, Supplement
	Miller et al., "Physician Charges in the Hospital," Medical Care July, 1992, vol. 30, #7.
	Garnick et al., "Services and Charges by PPO Physicians for PPO and Indemnity Patients," Medical Care Oct. 1990, vol 28(10).
	Hurwicz et al., "Care Seeking for Musculo-Skeletal and Respiratory Episodes in a Medicare Population," Medical Care. Nov. 1991, v. 29 (11).
	Gold et al., "The Content of Adult Primary Care Episodes," Public Health Reports. JanFeb., 1982.
	Weich et al., "Geographic Variation in expenditures for Physician's Services in the U.S.," New England Journal of Medicine March 4, 1993 vol. 328 (9).
	Schneeweiss "Diagnosis Clusters: A New Tool for Analyzing the Content of Ambulatory Medical Care." Medical CareJan., 1983, vol 21 (1).
	Schowstack et al., "Episode of Care Physician Payment: A Study of Coronary Bypass Care Graft Surgery," Inquiry. vol. 24, 1987.
	Schoppert, "National Ambulatory Medical Care Survey: 1989 Summary," Vital and Health Statistics. April, 1992, Series 13, #110
	Schoppert, "National Amousauty Medical Care Gardy  Graves, "Detailed Diagnoses and Procedures, National Hospital Discharge Survey, 1990," Vital and Health Statistics. June 1992, Se
	1 1 13, #113.
	"National Hospital Discharge Survey: Annual Summary 1990," Vital and Health Statistics. June 1992, Series 13, #112.
	Prevalence of Selected Chronic Conditions: United States 1986-88," Vital and Health Statistics. Feb. 1993, Series 10, #182.
<del>-</del> -	"Current Fatimates From the National Health Interview Survey, 1991," Vital and Health Statistics. Dec. 1992, Series 10, #184.
<u> </u>	lezzon et al "A Description and Clinical Assessment of the Computerized Severity Index." ORBFeb., 1992.

	DATE CONSIDERED
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in the set whether or not citation is	in conformance with MPEP 609; draw line through citation if not in conformance and not

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	IN AN APPLICATION	Applicant: Scare et al.		
1		Filing Date: 10/11/99	Group Art Unit: 2755	ļ

 Healthcare Financing Review, Winter, 1991, vol. 13, #2, p. 30.
 Statistical Abstract of the United States, 1992.
 Health and Prevention Profile United States, 1991.
 "Press Release," <u>(Icalrh Outcomes Institu</u> te Feb. 8, 1993.
 MDR Outlook, vol 4 (3).
Weingarten et al., "The Case for Intensive Dissemination: Adoption of Practice Guidelines in the Coronary Care Unit ORB. Dec. 1992.
 Dolan et al., "Using the Analytic Hierarchy Practice (AHP) to Develop and Disseminate Guideline," QRB Dec., 1992.
 Margolis et al., "Profiling Practice Patterns for Clinical Benchmarking," GHAA Institute June 14, 1993.
 Vived et a) "Tracking Quality Assurance Activity," American College of Utilization Review Physicians, Nov. 1988.
 Roberts et al., "Quality and cost Efficiency. The Evidence for Channeling," <u>American College of Utilization Review Prysicians</u> , Nov. 1988
 "HQ Quality First Health Care Practice Guidelines by Specialty:" Institute for Healthcare Quality, 1993.
 Intel: Med Advertisement
 Report on Medical Guidelines and Outcome Research, Feb. 11, 1993.
 Wall., "Practice Guidelines: Promise or Panacea," The Journal of Family Practice, vol. 37 (1), 1993.
 HBO Patient Care Software Article
 Federal Register. vol 57 (170) Sept. 1, 1992, pp. 39879-39893.
 Furleyal Revistor, vol. 57 (167) Aug. 27, 1992, pp. 38845-38847.
 Gottlieb et al., "Clinical Practice Guidelines at an HMO: Development and Implementation in a Quality Improvement Model," ORB
 Dialog File 73, Acc. No. 611097, Div. Raidl., Res. Inst. Brain Blood Vessels, Akita, "A Computer Processing System for Patient Records of Cerebro Vasculur Disease, Emphasizing the Retrieval of Radiological Examinations," 1975 pgs (563-571).
 Dialog File 149, Acc. No. 13228972, Addition Letter: V8, Issue No. 11, "The Baltimore County of Substance Abuse Uses a Contempred Model for Data Collection and Billing System," Nov. 1992. pg (3).
 Dialog File 149, Acc. No. 10475237, Hughes et al., Health Care Financing Review, "Procedure Codes: Potential Modifiers of Diagnostic Codes: Potential Modifiers
 Dialog File 149, Acc No. 1198663, Journal of Family Practice, "Accuracy of Patient Encounter and Billing Information in Ambulato Care," V33 Issue No. 6, Dec. 1991.
 Dielog File 15, Acc. No. 00723419, Chithelen, "A Health Opportunity," Forbes, VI4 Issue No. 3, Feb. 3, 1992, pgs 46-47.
 Ciches Vilo 751, Acc. No. 00253707, "Medical Records Management System (MRMS)," Information of Florida, Jan 1992.
 Dialog File 275, Acc. No. 01237169, Steingerg, D., "Whiplash Again? Dr. Database Will Be With You in Just a Moment. (The
 Dialog File 149, Acc. No. 08726638, Bailey, N.C., "how to Control Overcharging By Physicians: Unnecessary Payments to Most Were Caused by Inaccurate Coding on Claims That Cost Payers Billions Last Year. Here's a Way to Combat This," Business and Wayle Marke May 1990, p. 13(5).
 Dialog File 149, Acc. No. 15781211, Borzo, G., "SmartBombing Fraud: Insurers Turn to Powerful New Computers to Spot Aberra

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	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not
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<sup>\*</sup>Substitute Disclosure Statement Form (PTO-1449)

### FROM MERCHANT & GOULD

(WED) 2. 21'01 11:57/S 1:55/NO. 4260606441 P 9

Date Mailed:

[	Date Mailed:  FORM 1449*  INFORMATION DISCLOSURE STATEMENT	Docket Number: 13300.2USCI	Application Number 09/437,567
	IN AN APPLICATION	Applicant: Searcet al. Filing Date: 10/11/99	Group Art Unit: 2755

 Claims," American Medical News, V37, No. 38, Oct. 10, 1994, pg 3(4).
Claims, "American Medical News, V37, 141, 36, Val. 141, 152, Val. 24, 190, Val. 24, 190, Val. 24, 1990.  Dialog File 149, Acc. No. 09374757, McIlrath, S., "Medicare to Begin Evaluation of Physician Practice Patterns," American Medical Dialog File 149, Acc. No. 09374757, McIlrath, S., "Medicare to Begin Evaluation of Physician Practice Patterns," American Medical News, V33, No. 32, Aug 24, 1990.
News, V33, No. 32. Aug 24, 1990.  Rosko., "DRG's and Severity of Illness Measures: An Analysis of Patient Classification Systems," Journal of Medical Systems, Nov. 1988, vol. 12.
McMahon et al., "Measurement of Severity of Illness and the Medicare Prospective Payment System," Journal of General Internal Medicine. Sept/Oct 1988, vol. 3.
 Medicine. Separate 1988.  Couch et al., "Severity of Illness Measures: Opportunities of Clinicians." Annals of Internal Medicine, (Nov 1988).  Description Diagrams and Procedure, "U.S. Department of
Couch et al., "Seventy of Timess wiessands." Opportunities by Principal Diagnosis and Procedure," U.S. Department of "Clinical Classification for Health Policy Research: Discharge Statistics by Principal Diagnosis and Procedure," U.S. Department of Health and Human Services, Provider Studies Research Note No. 17 (Aug 1993).



DATE CONSIDERED

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